

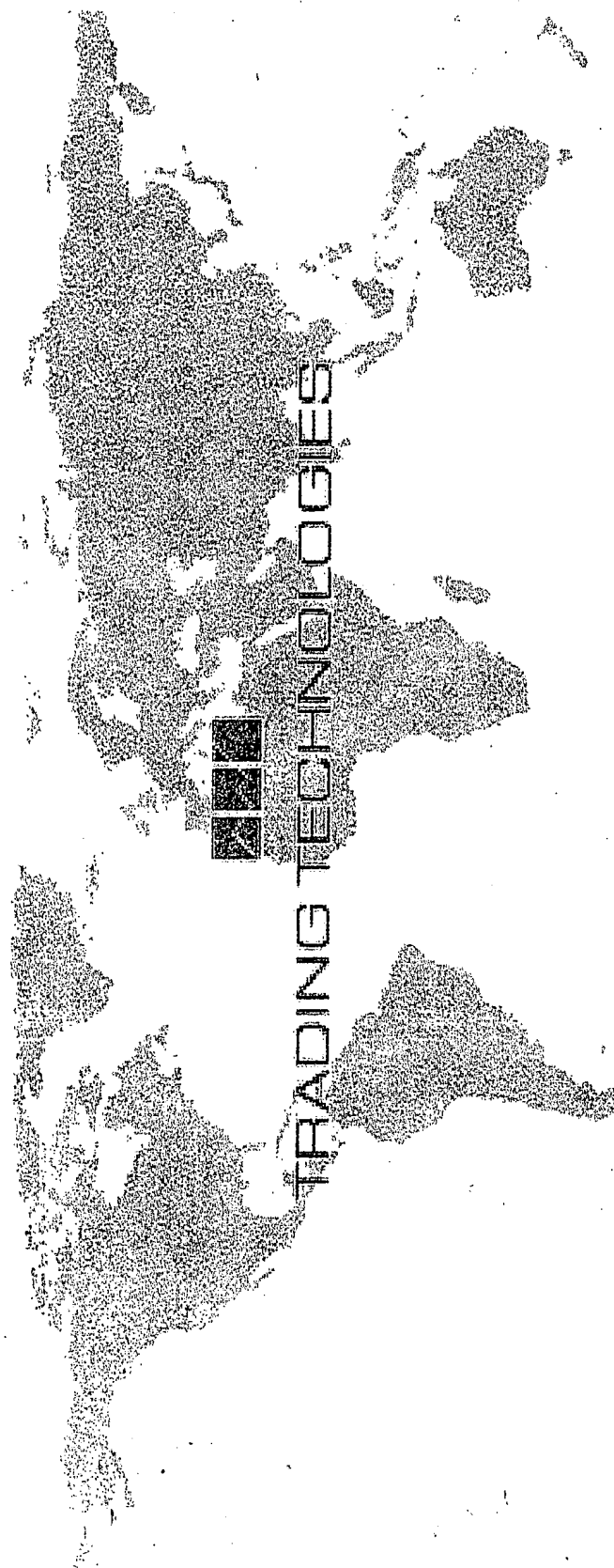
Please note:

appendices A, C and D. are
missing from Paper #12.

APPENDIX
A, C, D
ARE MISSING
FROM FILE



TRADING TECHNOLOGIES™



TRADING TECHNOLOGIES™



Trading Technologies suite of products gives you and your customers the best technological edge in the business. Combining universal exchange/marketplace access, high performance, and full customization, X_TRADER, with its sophisticated trading tools, enhances your presence in all the world's open-access electronic markets.

X_TRADER® the ultra-fast, flexible trading screen for all stock, bond, futures and options trading

X_QUOTE™ provides advanced quoting with sophisticated order and trade management.

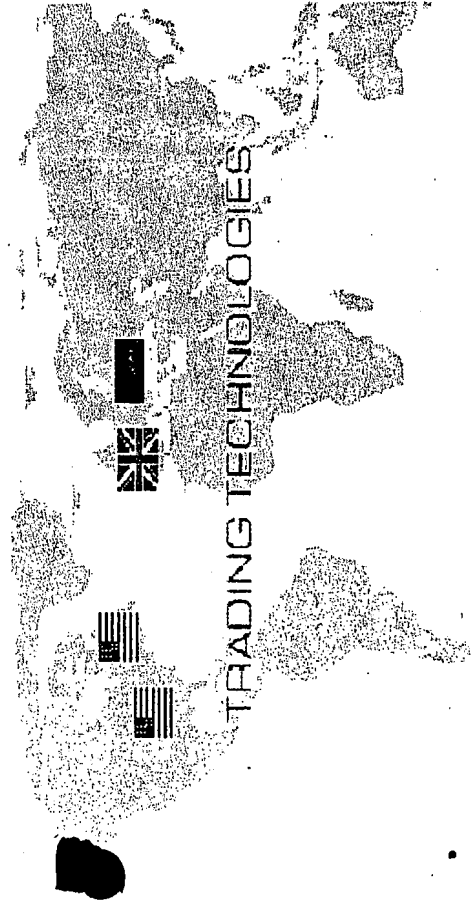
GUARDIAN™ monitors system/exchange performance and administration.

X_WEB™ is an extraordinarily fast, secure, internet-based trading system for the world's electronic markets that is designed specifically for massive scalability.

X_RISK™ is the software tool that enables risk managers, desk managers and any authorized trader to monitor all trading activity.

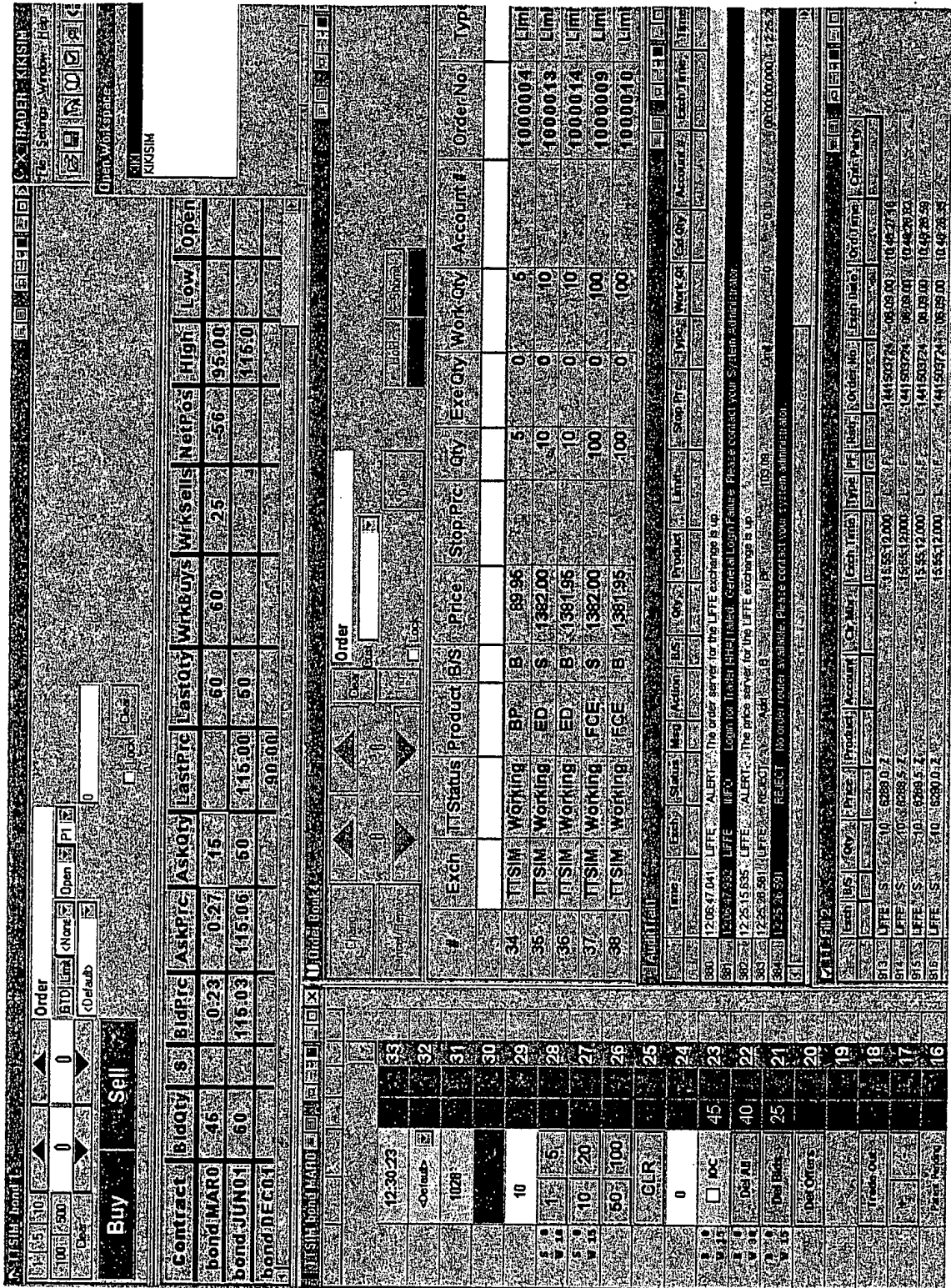
X_MARKET MAKER™ provides you with a market making screen that allows you to enter two-sided markets with a single send command, as well as other market making features.

TT EXCHANGE™ is a highly flexible, state of the art, exchange-matching system designed to automate any exchange, OTC, multi-dealer or B2B marketplace.



X_TRADER Features:

X_TRADER's modular design allows you to create one or more personal workspaces. You can customize each trading tool to respond to your specific needs and trading style.



Market Depth

The Market Depth Trader window provides a view of the market depth for a selected product and you can open as many MD Trader windows as you have products in the Market Grid. From this window you can perform one-click trading for any single product that populates the MD Trader window. This trading method is used as an alternative to the click trading technique that is also available in X_TRADER.

Eurex: FDAX 1

Month	Dept	Bid	BidQ	BidPrc	AskPrc	AskQ	Ask	LastQ	Total	High	Low
JUN99			2	4853.5	4855.0	14		4854.0	23456	4882.0	4874.0
		3	2	4853.5	4855.0	14	15				
		8	5	4853.0	4856.0	2	17				
		9	1	4852.5	4856.5	7	24				
		11	2	4852.0	4857.0	60	84				
		18	7	4851.5	4858.0	25	109				
		31	13	4851.0	4858.5	20	129				
		37	6	4850.5	4859.0	4	133				
		79	42	4850.0	4860.0	43	181				
		104	25	4849.0	4862.5	2	183				
SEP99			2	4887.5	4890.0	14		4898.0	60	4898.0	4865.5

Audit Trail

Time	Exch	Status	CP	Qty	Product	MMMMYY	Strike	Limit	StopPrc	Type	IF	Pstr
12:01:06.15	Eurex	OK		299	FCBL	SEP 00		101.40		Limit		
12:33:04.775	Eurex	OK		1	FCBL	SEP 00		101.45		Limit		
12:33:04.785	Eurex	OK		1	FCBL	SEP 00		101.45		Limit		
12:58:27.255	Eurex	ALERT			ix exchange is down.							
12:58:27.325	Eurex	ALERT			for Eurex on IP 192.168.150.1 PID 0x000004E6							
12:58:34.255	Eurex	ALERT			ix exchange is up							
13:18:42.682	Eurex	OK		10	FCBL	JUN 00		105.50		Limit	15:05:00	

Audit Trail

The Audit Trail displays the current day's order-related messages from the exchange and official exchange announcements. The last 10 days of Audit Trail information are available to you on your workstation's hard drive in a Microsoft Access file. You can narrow the range of data displayed.

Order Book

The Order Book provides information about your current open orders. You can change or delete orders. You may also perform an inquiry to determine the status of an open order, and apply one or more filters to quickly sort and display data.

The screenshot shows the 'Order Book' window. It includes a top toolbar with icons for various functions. Below the toolbar, there are several input fields and buttons for managing orders. The main area displays a table of orders with columns for Order No., Status, Product, and Price. The table contains three rows of data, with the first row highlighted. The status of the first order is 'Working'.

Order No.	Status	Product	Price
14411518807729883	Working	B	102.07
14411518807729883	Working	B	98.000
14411518807729883	Working	B	97.990

Fill and Position panes

The Fill window provides detailed information about the current day's trades. The Fills pane (top section) reflects the exchange-confirmed data about a trade. Use filters to narrow the range of orders displayed. The Position pane (middle section) provides your net position summary by exchange/marketplace, product and contract. The Fast Fill pane (bottom section--supported by some exchanges) displays partial trade information until the confirmed trade data is received from the exchange.

The screenshot shows the 'Fill' window, which is divided into three main sections: 'Fills', 'Position', and 'Fast Fill'. The 'Fills' section displays a table of trades with columns for Exchange, Account, Product, Buy/Sell, Quantity, Price, Currency, Product, and Status. The 'Position' section displays a table of positions with columns for Exchange, Product, Buy/Sell, Quantity, Price, Currency, Product, and Status. The 'Fast Fill' section displays a table of fast fill data with columns for Exchange, Product, Buy/Sell, Quantity, Price, Currency, Product, and Status.

Exchange	Account	Product	Buy/Sell	Quantity	Price	Currency	Product	Status
LIFFE	Broker003	B	O	1	101.98	EUR	B	Sep99
LIFFE	Broker003	B	O	1	101.98	EUR	B	Sep99
LIFFE	Broker003	S	O	5	101.98	EUR	B	Dec99
LIFFE	Broker003	S	O	5	101.98	EUR	B	Dec99

Excel Two-Way Link for Theoretical & Implied Pricing

Link a Microsoft Excel worksheet to X_TRADER to calculate theoretical bid/ask prices and/or implied prices using your proprietary pricing model(s).

Customer Defaults

Define Customer Default profiles to establish all of the most common order variables by customer name. Multiple profiles allow you to quickly switch between customers or apply different trading profiles for the same customer.

The screenshot shows the X_TRADER Excel interface. The main window displays a worksheet titled "Microsoft Excel - Book1". The worksheet contains a table with the following data:

Month	BidQty	BidPrc	AskPrc	AskQty	Wicks	LastP	PastQty	Total	TheoBid	TheoPrc	TheoAsk	Expiry
JUL 99	760	39.55	40.10	120		40.10	60	3000	39.6	39.85	39.75	JUL199

The sidebar on the left contains several controls:

- Buy/Sell buttons:** Large buttons for "Buy" and "Sell".
- Order Entry:** Fields for "0 x 39.55", "APPLE JUL99 GTD Limit <None>", "0", "39.55", "Limit", "Cross With", "Cross", "ALASTAIR", "DOCA", "Clear", "Lock", "Unlock".
- Formula Bar:** Shows "A1" and "BidPrc".
- Worksheet Tabs:** "Sheet1", "Sheet2", "Sheet3", "NUM".

The "Customer Defaults" dialog box is shown. It has a tabbed interface with "Customer" and "Account" tabs. The "Customer" tab is active, showing a list of customer profiles. The "Default" profile is selected, and its details are displayed in the right pane. The details include a "Name" field, a "Profile" dropdown, and a "Default" checkbox.

You can generate quotes by using a proprietary theoretical pricing model, X_TRADER Spread Table(s) and Product Group(s), or you can manually enter individual quotes. You can respond to RFQs manually or enable auto quoting to automatically send a response.

[illegible]

[illegible]

- | Quote | Exchange | Product | Exp | Strike | Qty | Buys | Sells | Net | P/L | Apply | Applied | CapRate |
|-------|----------|---------|-----|--------|-----|------|-------|-----|--------|---------|---------|---------|
| UTTE | B | JAN01 | | | | 1 | 0 | 0 | -0.21 | \$5,000 | \$4,800 | 94.97 |
| UTTE | B | SEP01 | | | 2 | 0 | 1 | -9 | 319.49 | 66,250 | 0.6500 | 92.00 |
| UTSM | B | MAR01 | | | 0 | 0 | 2 | -2 | 0.01 | 1,000 | 1,000 | 102 |
| UTSM | B | JUN01 | | | 0 | 0 | 3 | -3 | 0.03 | 1,000 | 1,000 | 106 |
| UTSM | B | DEC01 | | | 1 | 0 | 0 | 0 | 0.01 | 10,000 | 1,000 | 100 |
| UTSM | FCB | DEC01 | | | 2 | 0 | 0 | 2 | -0.03 | 67,866 | 67,800 | 67.99 |
| UTSM | B | JAN01 | | 10.50 | 1 | 0 | 0 | 0 | 0.01 | 85,000 | \$5,000 | 65.00 |

[illegible]

GUARDIAN is a service that runs on all X_TRADER workstations. It is the central point of communication between a local machine (a trader's workstation) and the TT Gateway (an exchange server). Guardian is also an administrative tool that may be used by a System Administrator on a trading or non-trading workstation to monitor the status of X_TRADER and the TT Gateways.

Access X_TRADER system on the local machine and TT Gateway.

TT Exchange Login - Trader (SIMULATION)

Exchange List: ☐ Eurex ☒ LIFE ☐ CME

Member Id:

Group Id:

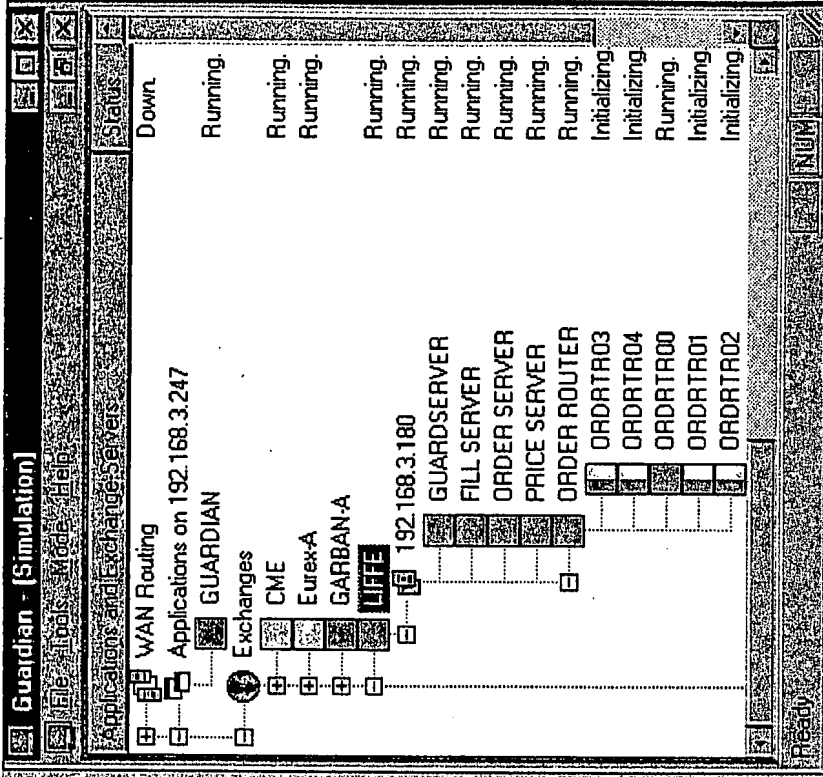
Trader Id:

Password:

GUIN Member:

Default Account:

Prod Server:



Guardian

All logfiles have been collected.
You can email them to trading@tradingtechnologies.com.
Log: G:\TT\Logs\Files\192.168.3.247_06/01/2000_01.zip
Email: support@tradingtechnologies.com

Guardian will also zip all relevant local logs and configuration files for easy transfer of data to remote technical support staff.

X TRADER WEB provides a browser based real-time professional Internet trading tool with the following features and advantages:

Security -- 128-bit encryption-order encryption for your exchanges.

Scalability -- Easily and quickly increase the number of users by simply adding machines eliminating expensive software changes

Multiple Exchanges -- You can extend your electronic trading system beyond your intranet, to your partners on the Internet. Your trading partners no longer have to reside on the same LAN to trade through your brokerage.

http://localhost/XWebApplet.html - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print

Address http://localhost/XWebApplet.html

TRADING TECHNOLOGIES

UserName:

Password:

Key file:

Server:

Proxy Server:

Apple Started

X TRADER Web

Exchanges

- ☒ TTSim (TTSIM-A Gateway)
- ☒ Futures
- ☒ A-C
- ☒ D-F
- ☒ J-L
- ☒ M-O
- ☒ P-R
- ☒ S-U
- ☒ V-X
- ☒ Y-Z
- ☒ 0-9
- ☒ Options
- ☒ Stocks
- ☒ Bonds

Exchange	Type	Symbol	Description	Expiration	Call/Put	Sink
TTSim	<input checked="" type="checkbox"/>	GE		Feb 01		
TTSim	<input checked="" type="checkbox"/>	GM		Nov 00		
TTSim	<input checked="" type="checkbox"/>	HD		Jan 01		
TTSim	<input checked="" type="checkbox"/>	HON		Dec 00		
TTSim	<input checked="" type="checkbox"/>	HON		Jan 01		
TTSim	<input checked="" type="checkbox"/>	HWP		Oct 00		
TTSim	<input checked="" type="checkbox"/>	IBM		Nov 00		
TTSim	<input checked="" type="checkbox"/>	IBM		Dec 00		
TTSim	<input checked="" type="checkbox"/>	IBM		Jan 01		
TTSim	<input checked="" type="checkbox"/>	INTC		Nov 00		

Market Window

Exchange

TTSim

Symbol

OE

Description

Feb 01

Expiration

Dec 01

Call/Put

Strike

Bid Quantity

Bid Price

Ask Price

TTSim

TTSim

TTSim

Order Book

Working Orders for guest before Aug 21, 2000, 11:59:59 PM

User Name

9... guest

Type

Limit

Date

Mon Aug 21 08:31:55 CDT 2000

Text

Logged in from chinloconnor (172.17.18.2)

User Name

9... guest

Type

Limit

Date

Mon Aug 21 08:33:11 CDT 2000

Text

Unable to place order. Order does not have a limit.

User Name

9... guest

Type

Limit

Date

Mon Aug 21 08:33:31 CDT 2000

Text

Unable to place order. ORDER has been rejected.

Order Form

100

57.75

100

57.75

Buy

Sell

Order ID

1000001

User Name

guest

Customer Account

GTD

Limit

MV

50

Clear

Replace Order

Depth Window - TTSim INTFC Nov 01

Accum. Bid Quantity

1915

Accum. Bid Price

136.5221

Bid Quantity

400

Bid Price

136.53

Ask Price

136.54

Ask Quantity

300

Accum. Ask Price

136.5408

Accum. Ask Quantity

325

1955

136.5216

40

136.50

2255

136.5148

300

136.47

2469

136.3195

214

134.25

com.it.ux.UXException: ORDER has been rejected: Invalid Price

at weblogic.rmi.extensions.AbstractRequest.sendReceive(AbstractRequest.java:76)

at com.it.ux.proxy.OrderBookProxyBeanEOImpl_WLStub.placeOrder(OrderBookProxy.java:48)

at com.it.ux.proxy.OrderBookProxyBeanEOImpl_ServiceStub.placeOrder(OrderBookProxy.java:48)

at com.it.ux.proxy.OrderBookProxy.placeOrder(OrderBookProxy.java:33)

at com.it.ux.UXOrderImpl.place(UXOrderImpl.java:187)

at com.it.uxweb.order.OrderFormXT.handleSellOrderCommand(OrderFormXT.java:86)

at com.it.uxweb.order.OrderFormXT\$InnerActionListener.actionPerformed(Unknown Source)

at javax.swing.DefaultButtonModel.fireActionPerformed(Unknown Source)

at javax.swing.DefaultButtonModel.setPressed(Unknown Source)

X-TRADER WEB provides:

- Real time** -- Real time market and price updates, as well as direct order entry into electronic markets
- Internet Awareness** -- Internet connections that let you obtain a comprehensive view of the market even when you are away from the office
- Platform Independence** -- Your traders all have the same user interface, with no platform constraints
- Simple and Inexpensive Administration and Deployment** -- Thin client architecture that can be easily deployed and updated over the web
- Other Features** -- Common order book, support of up to 1,000,000 simultaneous users, and localization (user interface in different languages)

X_RISK aggregates fills into a net position based on filters and the data range you select. This information updates dynamically as fills arrive. You can also enter trades manually, while receiving market updates and announcements. **X_RISK** also lets you set alerts for various types of conditions, such as an alert threshold on P/L, or an alert limit on maximum position size.

You use **X_RISK** to quantify the positions for which you manage risk. You can view positions several ways:

Market (Exchange and Option Type)

Product

Expiration Month

Expiration Year

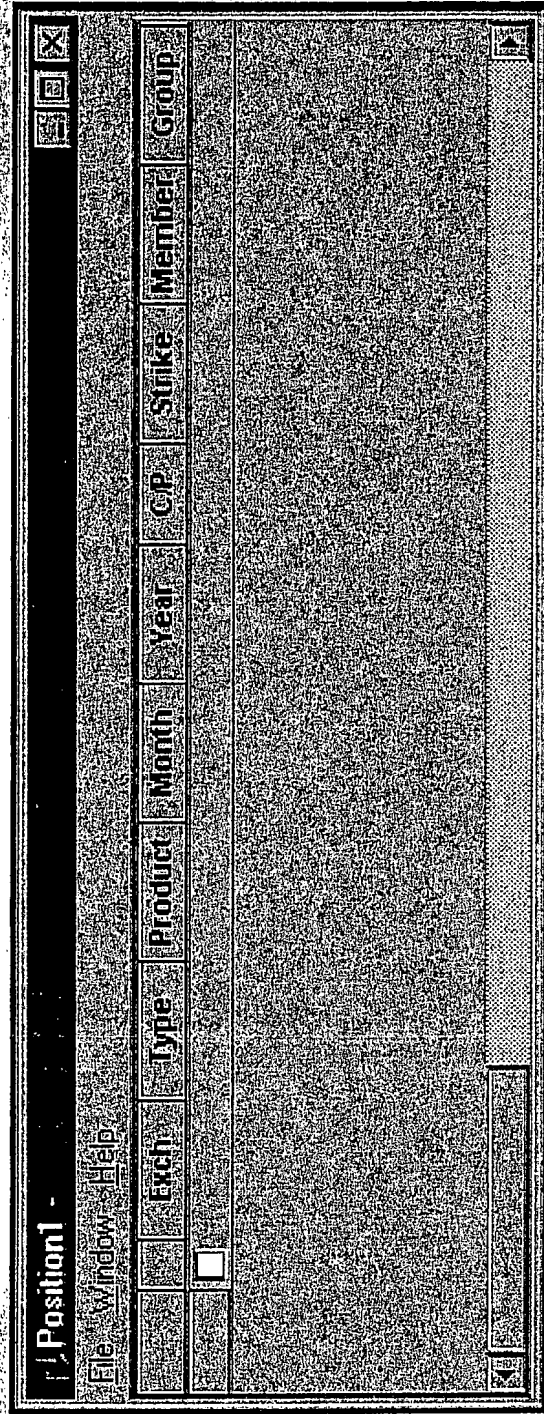
Member

Trader

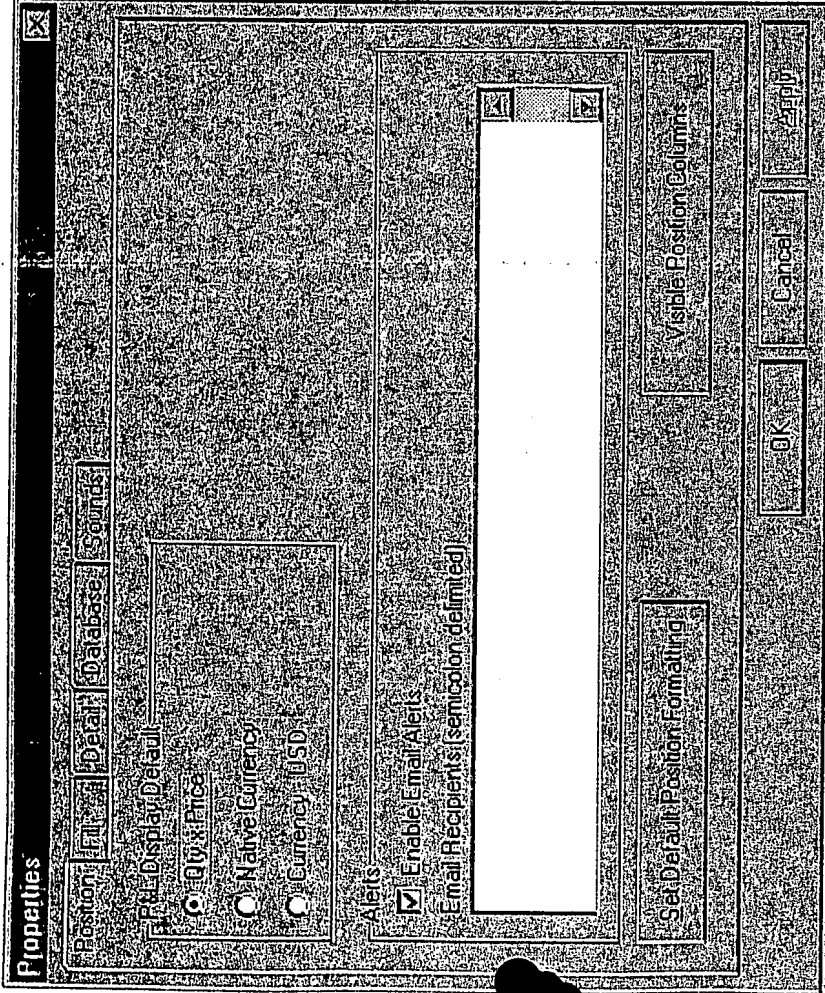
Group

Account

Account type

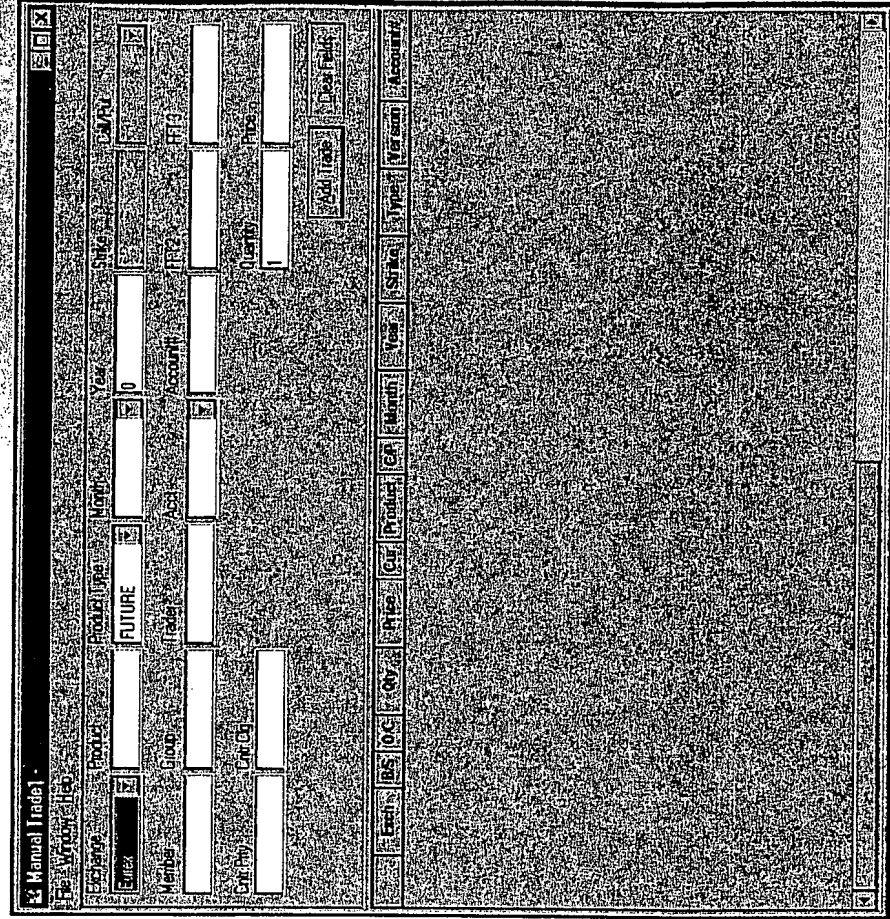


The **Position** window is the main window in **X_RISK**. It lets you view the positions for which you manage risk. **X_RISK** aggregates fills into a net position based on the filters and data range that you select. This information updates dynamically as fills arrive. **X_RISK** stores all downloaded fills into a database and holds them so that you can generate reports. This database is also the source for fills that you can load into **X_RISK**. You use date and time to indicate how far back you want fills and **X_RISK** delivers the fills into the applications.



The **Manual Trades** window is used to view and enter new manual trades and to delete unwanted manual trades from your current position of filled trades. Fills for manual trades are added to the current net position in the position window where they apply. You can manually add or delete all orders executed through an alternate source. You can calculate your true position and P&L (profit/loss) when you use the Manual Trades feature.

Use the tabs in this **Properties** dialog box to set up e-mail notification for alerts, change database connections, arrange to archive and purge fill records, hide and show columns for the various **X_RISK** windows, select P/L display defaults, and select sounds for alerts.



Reports are subject to the filters that you set in X_RISK. You use the **Reports** dialog box to set the filters and generate the reports, either to files or a printer.

File Window Help

WS TIME	Exch	BS	QTY	Price	Cur	Product	CP	Month	Year	Strike
736	07/33/57	Exch	B	0				200		
737	07/33/57	Exch	S	0				200		
738	07/33/57	Exch	B	0				200		
739	07/33/57	Exch	B	0				200		
740	07/33/57	Exch	B	0				200		
741	07/33/57	Exch	B	0				200		
742	07/33/57	Exch	B	0				200		
743	07/33/57	Exch	B	0				200		
744	07/33/57	Exch	B	0				200		

Price Filter: ☐ Best ☐ End ☐ 10% ☐ Day ☐ Price

300.00 EUR FGBL 2000 DEC 2000

300.00 EUR FGBL 2000 DEC 2000

300.00 EUR FGBL 2000 DEC 2000

The **Historical Fill** window allows the query of historical fill and position information from the database.

File Window Help

WS TIME	Exch	BS	QTY	Price	Cur	Product	CP	Month	Year	Strike	Typ	Man
736	07/33/57	Exch	B	0				200				
737	07/33/57	Exch	S	0				200				
738	07/33/57	Exch	B	0				200				
739	07/33/57	Exch	B	0				200				
740	07/33/57	Exch	B	0				200				
741	07/33/57	Exch	B	0				200				
742	07/33/57	Exch	B	0				200				
743	07/33/57	Exch	B	0				200				
744	07/33/57	Exch	B	0				200				

300.00 EUR FGBL 2000 DEC 2000

300.00 EUR FGBL 2000 DEC 2000

300.00 EUR FGBL 2000 DEC 2000

These are the reports that you can produce with X_RISK

The Confirmed Fills Report

The Unconfirmed Fills Report

The All Fills Report

The Product Price Report

The Order Price Report

Reports

Date Range: Start Date: 8/10/00 End Date: 8/10/00

Filters: Member: Group: Trader: Account#:

Reports: ☐ Confirmed Fills ☐ Unconfirmed Fills ☐ All Fills ☐ Product Price ☐ Order Price

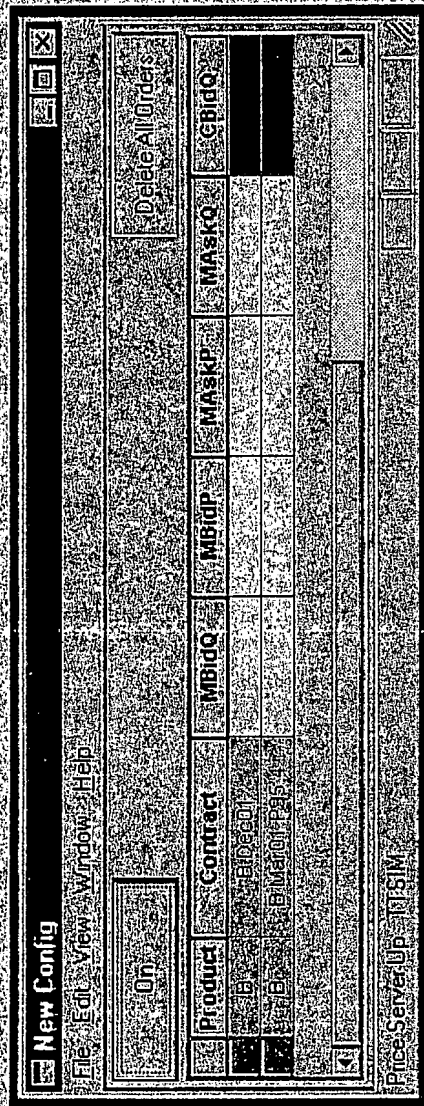
Output: ☐ Print ☐ Refresh

X_MARKETMAKER™ is an add-on tool to be used in conjunction with the **X_TRADER Trading System™**. Designed to give you and your customers the best technological edge in the business, **X_MARKETMAKER** provides you with a market making screen that allows you to enter two-sided markets with a single send command, as well as other market making features. Working with **X_TRADER**, this tool will enhance your presence in all the world's open-access markets.

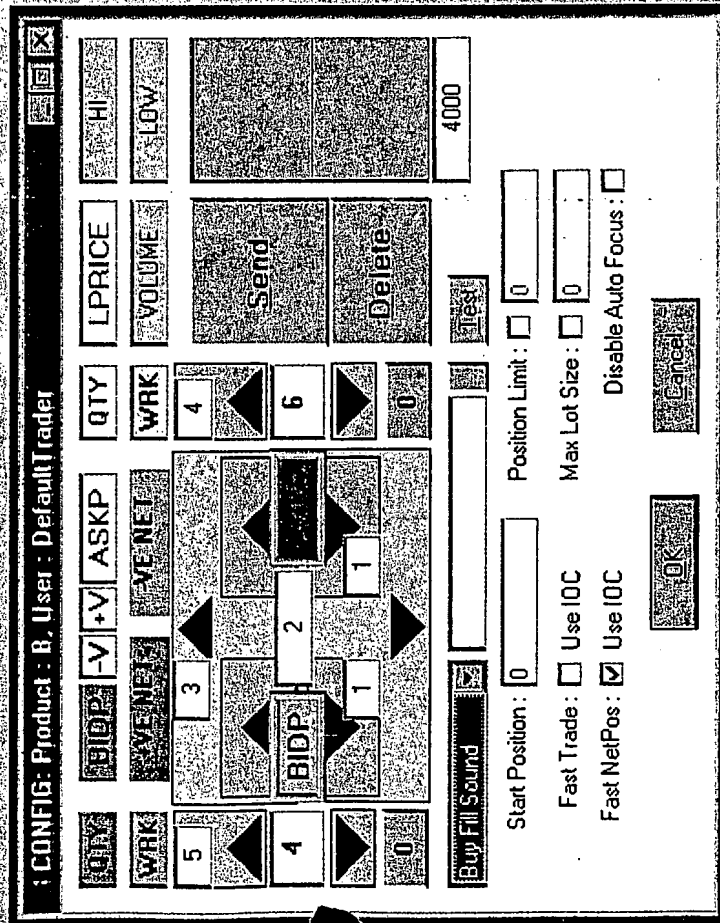
Trading for each product in **X_MARKETMAKER** is done using the **Trading** window. One **X_MARKETMAKER** Trading window is created for each product that appears on the Working Order Grid, allowing you to track multiple products during any one trading session.

Mkt Bid Qty	MM Work Buys	Mkt Bid Price	+Ve NetPos	Mkt Ask Price	-Ve NetPos	Mkt Ask Qty	MM Work Sells	Mkt Last Price	Mkt Volume	Mkt High	Mkt Low
Req. Bid Qty		Req. Bid Price		Req. Ask Price		Req. Ask Qty				Trend Graph	
Zero Bid Qty						Zero Ask Qty					

The **Working Order Grid** has a variety of column headings to identify the characteristics of the traded products. Use the mouse and the sliding bar at the bottom of the Working Order Grid to expose the column headings or resize the screen for an expanded view.



The net position in the **X-MARKETMAKER** Trading window is indicated by the presence of a number that appears above the trading grid. Display of a number in either field is contingent on market position at the time. The two fields are identified as **+Ve Net Pos** and **-Ve Net Pos** respectively and, depending on the market position, only one or the other is visible at any one time.



The TT Exchange Market

How the Market Works

The TTX supports the ability to be several markets. That is, the TTX is able to present several markets, each with a unique exchange (market) name. This is useful for the presentation of simulation markets, or dividing products into separate markets for reasons of organization and/or security.

The architecture is an Oracle database serving as the market, and a TT GW front end to present an interface into the market. Matching occurs in the database via a trigger, which is easily modifiable on a per-product and/or per-member basis, even by the end customer administrator.

TTX Administration

File Edit View Options Help

Objects

TTX

Exchanges

HM

Members

Orders

Schedule

Manual Gr

Currencies

ID	Symbol	Name	Item Key	Match Type	Update Price	Cover Ratio	Round Lot	Price Reason	OT Reason
32	Cu 0615	Copper (Ex)	CU2345	FIFO			1	<None>	0
33	Cu 0915	Copper (Ex)	CU3456	FIFO			1	<None>	0
34	Cu 1215	Copper (Ex)	CU4567	FIFO			1	<None>	0
35	Sn 0615	Tin (Ex)	SN5438	FIFO			1	<None>	0
36	Sn 0915	Tin (Ex)	SN6543	FIFO			1	<None>	0
37	Sn 1215	Tin (Ex)	SN7654	Manual			1	<None>	0
42	FRA 36	Forward R	FRA1234	FIFO			1	<None>	0
43	FRA 69	Forward R	FRA2345	FIFO			1	<None>	0
44	FRA 912	Forward R	FRA3456	FIFO			1	<None>	0

TTX Administration

File Edit View Options Help

Objects

TTX

Exchanges

HM

Members

Orders

Schedule

Manual Gr

Currencies

TTX Administration

File Edit View Options Help

Objects

TTX

Exchanges

HM

Members

Orders

Schedule

Manual Gr

Currencies

ID	Symbol	Name	Item Key	Match Type	Update Price	Cover Ratio	Round Lot	Price Reason	OT Reason
32	Cu 0615	Copper (Ex)	CU2345	FIFO			1	<None>	0
33	Cu 0915	Copper (Ex)	CU3456	FIFO			1	<None>	0
34	Cu 1215	Copper (Ex)	CU4567	FIFO			1	<None>	0
35	Sn 0615	Tin (Ex)	SN5438	FIFO			1	<None>	0
36	Sn 0915	Tin (Ex)	SN6543	FIFO			1	<None>	0
37	Sn 1215	Tin (Ex)	SN7654	Manual			1	<None>	0
42	FRA 36	Forward R	FRA1234	FIFO			1	<None>	0
43	FRA 69	Forward R	FRA2345	FIFO			1	<None>	0
44	FRA 912	Forward R	FRA3456	FIFO			1	<None>	0

Client Applications

TT EXCHANGE can be accessed via any TTAPI client application. This includes, but is not limited to, X_TRADER, X_TRADER WEB, X_RISK, X_QUOTE, X_MARKET MAKER and X_FILE.

TT EXCHANGE includes GUI interfaces for administrative functions. In addition to access via X_TRADER WEB, TT EXCHANGE has its own web-enabled client application. This client for TTX is an HTML client using the HTTP protocol. The web interface facilitates basic trade operations: an order book, trade book (fill window), and audit trail, as well as the ability to receive price updates.

The back-end (business & scaling logic) of this application exists within TT EXCHANGE (the db and/or GW) as opposed to the XTW application server.

TTX Administration

File Edit Objects

TTX

☒ Exchanges
☒ HM
☐ Items
☐ Members
☐ Orders
☐ Schedule
☐ Manual Cr
☐ Currencies

ID	Name	Active	Currency	Credit Limit	Credit Remaining
1	OREO	<input checked="" type="checkbox"/>	US - U.S. Dollar	31000000.00	30935515.54
2	NYSE MEMBER 2	<input checked="" type="checkbox"/>	US - U.S. Dollar	64000000.00	64000000.00
3	NYSE MEMBER 3	<input checked="" type="checkbox"/>	US - U.S. Dollar	32000000.00	32000000.00
4	NYSE MEMBER 4	<input checked="" type="checkbox"/>	US - U.S. Dollar	20000.00	20000.00
5	TAD	<input checked="" type="checkbox"/>	US - U.S. Dollar	64000000.00	63987856.18
26	JM	<input checked="" type="checkbox"/>	US - U.S. Dollar	0.00	0.00
41	HM MEMBER	<input checked="" type="checkbox"/>	US - U.S. Dollar	0.00	0.00
12	ECOC	<input checked="" type="checkbox"/>	US - U.S. Dollar	0.00	0.00
13	ECOC HI	<input checked="" type="checkbox"/>	US - U.S. Dollar	0.00	0.00

Previous > < Next

TTX Administration

File Edit Objects

TTX

☒ Exchanges
☒ HM
☐ Items
☐ Members
☐ Orders
☐ Schedule
☐ Manual Cr
☐ Currencies

Item	Item Name	Item Type	Item Status
Copper	Expires 20000615		<input type="checkbox"/>
Copper	Expires 20000915		<input type="checkbox"/>
Copper	Expires 20000715		<input type="checkbox"/>
Tin	Expires 20000615		<input type="checkbox"/>
Tin	Expires 20000915		<input type="checkbox"/>
Tin	Expires 20000715		<input type="checkbox"/>
Forward Rate Agreement			<input type="checkbox"/>
Forward Rate Agreement			<input checked="" type="checkbox"/>

APPENDIX E

MD_TRADER™ is the software that is revolutionizing the electronic trading industry. It is the only electronic interface that enables trading directly from market activity.



TRADING TECHNOLOGIES™

- Enables users to anticipate and respond instantly to movements in the marketplace
- Guarantees trade execution at prices selected by the user
- Unique vertical display of market depth provides constant view of market activity
- Trading screen can reset automatically, so that market gaps are always visible
- One window views - working orders, fills and market depth

view multiple products from multiple exchanges

Eurex:FDAX:DEC00			
12:44:48			
71070			
71065			
71060			
71055			
71050			
71045			
71040			
71035			
71030			
71025			
71020			
71015			
71010			
71005			
71000			
70995			
70990			
70985			

static price display guarantees the price you click is what you send

single-click trading

default quantity

single-click delete

sweep the book capability

single-click delete

extended market depth emphasizes liquidity and movement

Order Book									
Order	Exp	TT Status	Product	BS	Qty	MMV	Price	Type	ITE
123	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
124	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
125	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
126	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
127	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
128	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
129	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
130	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
131	OME	Working	FDAX	B	100	162925	162925	Limit	OTD
132	OME	Working	FDAX	B	100	162925	162925	Limit	OTD

filters

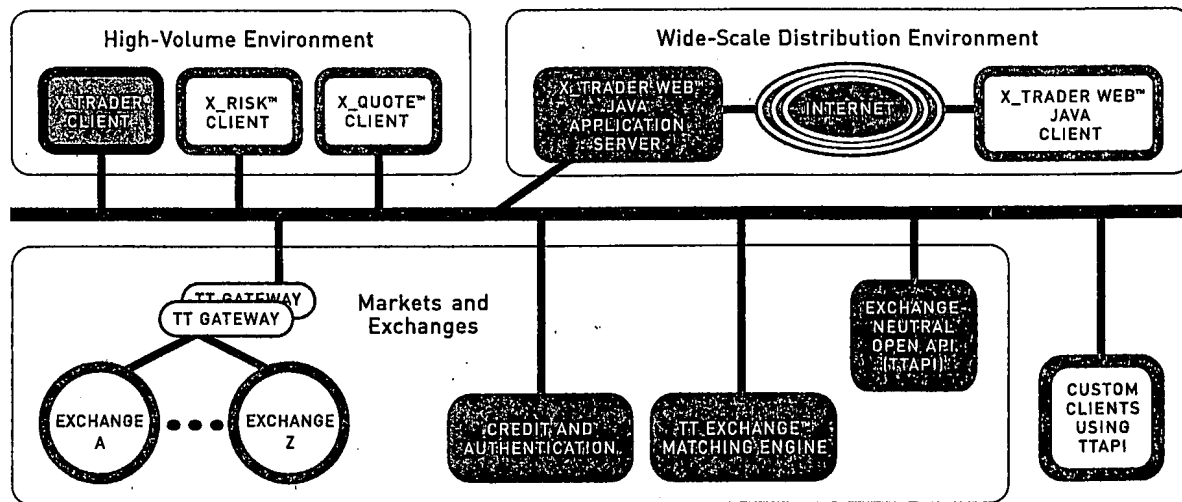
partial fills

MD-TRADER

Hardware Requirements

- 850 MHz or higher recommended, Intel 550 Hz minimum
- Windows NT workstation 4.0 or Windows 2000. For NT 4.0 use Service Packs 5, 6a (SP 6 is not recommended)
- 128 MB RAM minimum
- 1GB of available hard disk space for software and log files (EIDE sufficient, Ultra-wide SCSI or ultra-wide SCSI II recommended)
- Hard disks formatted using NTFS (file system)
- 10/100 Mb auto-switching network interface card
- CD-ROM and 1.44 MB floppy drives
- 21" color-8 plane color monitor, tested to 1600x1200
- For single monitor use, a 32 Mb AGP graphics card is recommended. A 16Mb PCI graphics card with 16 bit video depth is minimum. For multiple monitor use, an AGP graphics card with 32 Mb per monitor head is recommended.
- 3-button mouse to support middle button click trading with Microsoft Intellimouse (Intellipoint) software removed. A two-button mouse is supported, but Click and Dime trading are mutually exclusive.
- Tibco (included with TT software)

TT Product Suite



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